

Comparisons of Job Characteristics

Focus Occupation: [Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters \(47-3015\)](#)

Associated Occupation: [Pipelayers \(47-2151\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 91

Focus Occupation: [Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters \(47-3015\)](#)

Associated Occupation: [Pipelayers \(47-2151\)](#)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Mechanical	6.8	8.1	12.8	>> Current knowledge level is likely more than sufficient
Building and Construction	4.0	6.9	14.3	>> Current knowledge level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 76

Focus Occupation: [Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters \(47-3015\)](#)

Associated Occupation: [Pipelayers \(47-2151\)](#)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Operation and Control	5.4	9.2	5.0	<< Extensive development of skills in this area may be required
Operation Monitoring	6.6	9.1	4.2	<< Extensive development of skills in this area may be required
Quality Control Analysis	5.9	8.2	5.6	<< Extensive development of skills in this area may be required
Troubleshooting	4.5	7.5	5.1	<< Extensive development of skills in this area may be required
Repairing	3.4	7.3	7.7	0 Current skill level may be sufficient
Equipment Maintenance	3.5	6.7	4.7	<< Extensive development of skills in this area may be required
Equipment Selection	3.3	6.4	5.2	< A higher skill level may be required
Installation	1.7	3.7	5.0	>> Skill level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 79			
Focus Occupation: Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters (47-3015) Associated Occupation: Pipelayers (47-2151)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Control Precision	6.6	10.3	8.1	<	Some improvement in abilities may be required
Depth Perception	5.3	9.0	5.6	<<	Extensive improvement in abilities may be required
Extent Flexibility	4.8	8.5	11.0	>>	Current ability level is likely more than sufficient
Stamina	4.0	6.8	4.8	<<	Extensive improvement in abilities may be required
Rate Control	3.8	6.6	2.1	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 85
Focus Occupation: Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters (47-3015) Associated Occupation: Pipelayers (47-2151)		
Work Activities	Exclusivity of Activity	
Adhere to safety procedures	12	
Apply adhesives, caulking, sealants, or coatings	45	
Assemble and install pipe sections, fittings, or plumbing fixtures	71	
Build or repair structures in construction, repair, or manufacturing setting	54	
Cut, shape, fit, or join wood or other construction materials	58	
Fabricate, assemble, or disassemble manufactured products by hand	11	
Move or fit heavy objects	8	
Use acetylene welding/cutting torch	54	
Use basic plumbing techniques	72	
Use hand or power tools	2	
Use measuring devices in construction or extraction work	41	
Use pipe fitting equipment	80	
Use two-way radio or mobile phone	42	

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 95

Focus Occupation: Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters (47-3015)
Associated Occupation: Pipelayers (47-2151)

Tools and Technologies	Exclusivity
Aerial lifts	13
Cleaning equipment	11
Compressors	9
Dispensing tools	6
Drilling and operation machinery	29
Earth moving machinery	11
Electrical measuring and testing equipment	7
Face and head protection	7
Forming tools	2
Garden tools	12
Gas analyzers and monitors	10
Holding and clamping tools	3
Indicating and recording instruments	2
Ladders and scaffolding	6
Length and thickness and distance measuring instruments	2
Lifting equipment and accessories	3
Machine tools	7
Measuring and layout tools	3
Metal bending and forming machinery	17
Pneumatic tools	8
Power generators	16
Power tools	2
Pressure measuring and control instruments	10
Prying and bending tools	10
Pumps	9
Rough and finishing tools	5
Soldering and brazing and welding machinery and supplies	6
Tool attachments and accessories	12
Wrenches and drivers	2

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.